

Bulletin

University of Toronto

April 22, 1977

No. 31

30th Year

Dr J B Macdonald to examine Council's effectiveness

At the Governing Council meeting of Thursday, April 21, the Council approved the appointment of John Barfoot Macdonald, President of the Addiction Research Foundation, as the person responsible for reviewing the first five years of the Council's operation; approved the appointment of Professor G.P. Richardson, presently Associate Professor and Chairman of the Division of Humanities at Scarborough College, as the Principal of University College; and, after some discussion of the principles involved, approved both a policy for compulsory non-academic incidental fees and specific fee changes for 13 student organizations.

As well, the Council gave its

Governing Council — April 21 (Including action taken at committee level)

- Approved appointment of John Barfoot Macdonald, President, Addiction Research Foundation, as review officer for the *Review of the Unicameral Experiment*
- Approved the appointment of Professor G.P. Richardson as the Principal of University College
- Approved composition and reporting schedule of the Search Committee for a new President
- Approved summer residence rates for 1977
- Approved Master's Degree program in Public Policy
- Approved Master's Degree program in Health Science
- Approved policy for compulsory non-academic incidental fees, and fee changes for thirteen organizations
- Approved the application for incorporation by the Students' Administrative Council
- Approved the 1977-78 budget for the Department of Athletics and Recreation

approval to the composition of a striking committee, consisting of Professor Margaret Thompson as chairman, alumnus John Cowan, student John Floras and government appointee Sonja Sinclair, that will recommend the membership of the search committee for a new president of the University.

President J.R. Evans reported on the University's "informative and useful" meeting with the Ontario Council of University Affairs on April 16 (see story this page), and announced that the Business Affairs Committee has authorized the expenditure of approximately \$12.5 million for the new athletic complex on the St. George campus. The contract for construction of the complex has been awarded

to the Ellis-Don Co. Ltd. of London, Ontario, who will begin construction in about two weeks with the aim of completing the project in the summer of 1979.

Professor George P. Richardson, who takes up his duties as Principal of University College for a seven year term on July 1 succeeds Principal A.C. Hallett, who is retiring from the University to become executive director of Bermuda College. Principal Hallett is a native Bermudian.

John B. Macdonald, the review officer for the Review of the Unicameral Experiment, was from 1968-76 Executive Director of the Council of Ontario Universities, and from 1962-67 was President of the University of British Columbia.

Richardson to be U C Principal, Ten Cate is incoming Dentistry Dean

Dr. Peter Richardson, Professor and Chairman of the Division of Humanities, Scarborough College, has been appointed Principal of University College for a seven-year term beginning July 1.

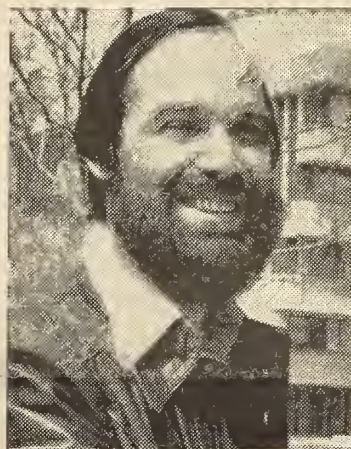
A native of Toronto, Dr. Richardson received a Bachelor of Architecture from U of T in 1957, a Bachelor of Divinity from Knox College, U of T, in 1962, and a Ph.D. from Cambridge in 1965.

After serving for four years as a minister of Knox Church, Toronto, and five years as a professor at Loyola in Montreal, Prof. Richard-

son joined Scarborough College as chairman of the Division of Humanities in 1974.

In administration, he has been active on the Planning and Resources Committee, the Research Board executive, the *ad hoc* committee to respond to the Interface Report, as well as a number of Scarborough College committees. Outside the University, he also serves on several editorial boards and executives concerned with religious studies.

Dr. Richardson's area of research is New Testament literature



Dr. Peter Richardson

and early church history, particularly the impact of Jewish thought on early Christianity.

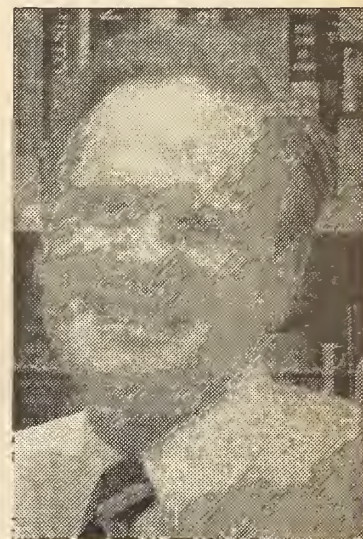
Dr. Richard Ten Cate, Professor and Chairman of the Division of Biological Sciences, Faculty of Dentistry, has been appointed

Dean of that Faculty. He succeeds Dr. Gordon Nikiforuk, who will complete his seven-year term as Dean on June 30.

Dr. Ten Cate received his Ph.D. in Anatomy from the University of London in 1958 and received his B.D.S. from the same institution in 1960. In 1968, Dr. Ten Cate joined the Faculty of Dentistry at the University of Toronto as a full professor and became Chairman of the Division of Biological Sciences within the Faculty in 1971.

He has been active in administration inside the University — on the Committee on Curriculum and Standards and as chairman of the Health Sciences Committee of the Research Board, and outside the University — serving on the Scholarship Committee of the Medical Research Council of Canada.

Dr. Ten Cate has lectured internationally on the subject of dental histology and is the co-author of several textbooks in this field. His research efforts have



Dr. Richard Ten Cate

contributed substantially to an understanding of the biochemical and anatomical changes involved in the development of dental tissue.

Update is halfway up the hill

The Update fund-raising campaign, after just over a year, is halfway to its goal of \$25 million.

The Update drive began in April of 1976, at which time the large national and multi-national corporations were approached; the general corporate sector is now being canvassed. At present, the campaign is underway in Hamilton, Montreal, London and Calgary and will begin in Vancouver sometime in June.

OCUA urged to support growth in grad studies

by Robbie Salter

On April 16 the University presented its annual brief to the Ontario Council on University Affairs, the liaison between government and Ontario universities. President John R. Evans and a delegation of deans, principals, senior administrators, and representatives from Governing Council met in the board room at OISE with members of OCUA and its chairman Dr. William Winegard.

Dr. Evans told the Council that the provincial government must take into consideration the effect of inflation and the shifting value of the dollar on the non-salary operating budget when it makes recommendations for grants to the University. He spoke of the urgent need for more adequate funds for library acquisitions and equipment.

The U of T brief points to "the startling difference in the level of research funding between the humanities and social sciences on the one hand and the physical and life sciences on the other. In the humanities the major instrument for research is the library and in this regard the library system of the University of Toronto is a singular provincial and indeed national resource." According to the brief, inflation has eliminated discretionary acquisitions and now threatens basic acquisition and periodicals. While deficiencies in equipment may possibly be remedied in the future, gaps in library acquisitions may be irreparable.

The brief cites the inadequate accommodation on the St. George campus, the high costs of heating and maintaining old buildings, and the additional expenditure of renting space. The University identified which areas on the St. George campus should be replaced rather than renovated and stated that to bring 24 of the buildings up to minimum fire and safety

standards would cost just under five million dollars. Renting space at a cost of close to half a million dollars per annum is considered less than satisfactory accommodation and is a serious drain on the operating budget. The brief says that "the University assigns such importance to building improvements on the St. George campus that more than half of all funds subscribed by the private sector in the current fund-raising campaign will be committed to this purpose."

The President stressed the need for a balance of facilities between Scarborough and Erindale Colleges. Both Colleges were caught in the middle of development plans when the freeze on new capital construction was established. While Scarborough has an apparent surplus of research and athletic space, it has a shortfall in library, classroom, and office space. Erindale lacks proper athletic space.

In discussing graduate programs for the quinquennium, 1979-80 through 1983-84, Dean James Ham, School of Graduate Studies, spoke of the need to protect the excellence of existing doctoral programs, 19 of which are unique to the province. He referred to the Centre for Medieval Studies as an example of how many disciplines can interact effectively. "Its graduates have no difficulty in serving the structure of our society and we should seek to preserve this mosaic of commitment," he said.

The brief also states that new growth in graduate studies must be supported. The new masters program in criminology, and another in industrial relations conducted through the Centre for Industrial Relations, are both unique in English-speaking Canada.

The U of T delegates spoke of the need to develop closer ties with secondary schools and teachers, and to establish greater consistency in admission standards based on a core curriculum composed of basic science,

Canadian studies, French, English, and mathematics, the latter two being the "basic instruments of communication". Dr. Evans said that the University does not wish to tell secondary schools what they should do, but rather to exchange views and eliminate misconceptions.

The President spoke on the new higher fees for visa students (\$1,500 a term compared with \$500 to \$800 for Ontario students), as being "unjustifiable on any but the narrowest short-term grounds". He also said that the great universities attract scholars from around the world and that gifted people from other countries make the academic community more interesting and lively. "If we look back on our history, we must realize that Canada has depended on other parts of the world to an incredible measure."

The special costs of operating the health services necessary for clinical instruction in Dentistry, Veterinary Medicine, Optometry, and to some extent Nursing, were brought to the Council's attention. Dr. Evans noted that that problem seems to fall between the Ministry of Health and the Ministry of Colleges and Universities and that it remains unresolved after three years of discussions.

Dean Robert Green, Arts and Science, reminded the Council of the need for greater funding for undergraduate studies where, he said, "The decline in the quality of teaching is the result of continuing financial compression."

In closing, the President told the Council that in this its Sesquicentennial year the University was carrying a major funding campaign into the community. "We are accepting a share of the responsibility of meeting our financial needs," Dr. Evans said. "Largely as a result of this year, the public is beginning to have a new perception of the University's role."

OCUA's recommendations on grants taken by MCU

The Honourable Harry Parrott, Minister of Colleges and Universities, has accepted the Ontario Council of University Affairs' recommendations on provincial operating grants, as well as guidelines on capital assistance for building projects.

To make operating grants less sensitive to enrolment fluctuation, OCUA recommended that, beginning in 1978-79, grants be calculated by averaging the enrolments of the preceding three years. This method provides for predictability and stability in funding, and allows for better long-term planning, the Council felt.

Says President Evans, "It is sound practice at this time to use the rolling three year average of enrolment as the basis of funding. It is also sensible to relate the discounting of growth in BLU's to the government's own decision on funds available for the growth component of global funding." The President was informed by MCU that the basic income unit value for 1977-78 will be \$2,525 and the graduate funding unit value will be \$2,461. These unit values are based on the University's final enrolment statistics as of February 1, 1977.

On capital grants, there has been a near moratorium since 1972, and any that have been made have been at ministerial discretion after

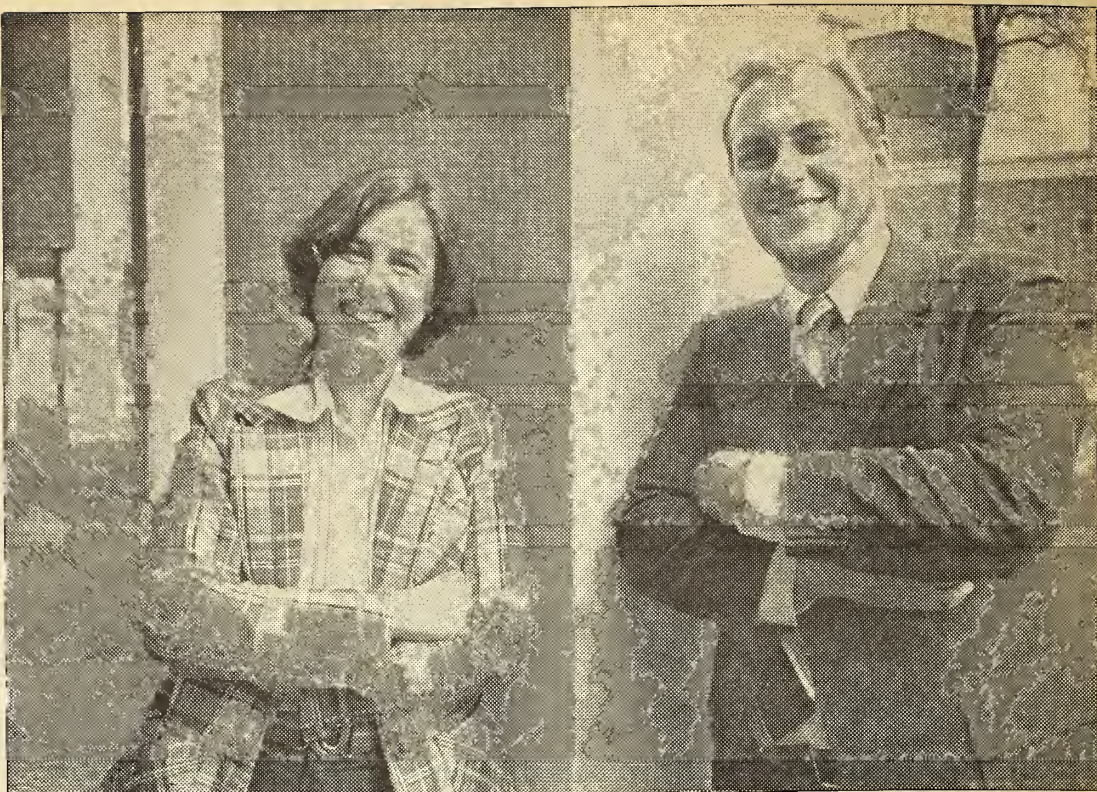
review of individual projects. To aid in this decision-making, and to clarify university expectations, OCUA has established guidelines for capital grants, and MCU has accepted them.

No money will be given for new construction that adds to institutional space. Grants will be considered, though, where one university has a serious space deficiency in comparison to other universities, or one facility that is deficient in comparison to the institution's other facilities.

"This should provide the opportunity," says President Evans, "to rectify totally inadequate library facilities at Scarborough College and the lack of athletic facilities at Erindale — anomalies which have arisen because their growth has been suspended short of the completion of a balanced mix of facilities."

On capital assistance for renovations, he comments: "We welcome the guidelines for support of renovation and replacement of obsolete facilities and, in particular, the expression of OCUA's belief that building replacement should be permitted to compete on equal terms with renovation and alteration projects where replacement is the more economic alternative."

M.H.



Dorothy Gillmeister has been appointed the University's Equal Opportunity Officer, and Calvin Swegles has been named Training Officer.

Personnel Department appointments

Robert Brown, the University's Director of Personnel reports that two positions have recently been filled which will "provide important additional resources directed towards the goal of increasing career opportunities within the University."

Dorothy Gillmeister has been appointed Equal Opportunity Officer effective April 1, reporting to the Director of Personnel. She has a B.A. in English and Psychology from Bishop's University, a teaching certificate from McGill University, and will this

spring complete a Master's degree in Adult Education. In addition, she has attended a number of certificate programs, seminars and workshops related to counselling and human relations training. Her work background includes experience with Kates, Peat and Marwick & Co., the Ontario Institute for Studies in Education and the Toronto General Hospital.

Calvin Swegles has been appointed Training Officer for the University effective March 28, and will report to Bill Hooper, Manager, Employment and Staff Development, Personnel Depart-

ment. He obtained an M.A. in Philosophy from the University of Guelph, completed a year of Ph.D. research at the University of London and received a Master of Science degree in Adult Education — specializing in staff training and development, communication and organizational behaviour — at Guelph. He was most recently employed as Staff Training and Development Researcher in the Ontario Ministry of Agriculture and Food, and prior to that held similar positions at the University of Guelph and with the United Church of Canada.

Review of the Unicameral Experiment

As part of the review of the Unicameral Experiment the Governing Council invites submissions from members of the University community. The terms of reference for the review as approved by Governing Council on March 17, are as follows:

"To undertake an examination of the effectiveness of the Governing Council system of the University of Toronto in meeting the needs of the University and to make recommendations for revisions to the structures and procedures which would facilitate an orderly and prompt handling of the University's business."

Submissions should be sent not later than June 30, to David Claringbold, Secretary of the Governing Council, Room 106, Simcoe Hall.

Museology program

A Review Committee has been established to report, with recommendations, to the Dean and the Council of the School of Graduate Studies concerning the Master of Museology Program. Members of the committee are: Dr. J.E. Cruise and J. Di Profio, Royal Ontario Museum; Prof. Bruce Sinclair, Institute of History and Philosophy of Science and Technology; Prof. G.S. Vickers, Department of Fine Art; Prof. G.M. Wickens, Department of Middle East and Islamic Studies; Prof. R.W. Dunning, Department of Anthropology; Dr. L. S. Russell, Royal Ontario Museum; J.E. Mulveney, School of Graduate Studies; two representatives to be nominated by the Museology Students Association; and Dean R.H. Painter, School of Graduate Studies (Chairman).

The terms of reference are: 1) To evaluate the program in terms of the objectives set out in 1969; 2) To examine these objectives in the light of experience and modify them if necessary; 3) To review the scholastic and administrative arrangements within the University and the Museum; 4) To consider the working and financial arrangements between the University and the Museum; 5) To make recommendations about the program and its operation.

Any comments or suggestions may be directed to any member of the Committee.

Gerontology program under discussion

The University is studying the feasibility of developing a program in gerontology, and, to this end, Professor Harold R. Johnson, co-director of the Institute of Gerontology at Wayne State University, held discussions on the campus with members of the health sciences during March.

In a lecture titled, "The Role of the University in the Field of the Aged", Prof. Johnson noted that gerontology is still in its infancy, "but as the aged become more visible, we shall be compelled to help improve their way of life and to remove the stigma of illness from the aging process."

The university can provide research, expertise, and personnel, Dr. Johnson said; it can examine the economic needs of the elderly, many of whom enter an "instant poverty" on retirement. He pointed out that health services have been under-financed and given low priority in research, and said that through multi-disciplinary studies in pharmacology, dentistry, architecture, biomedical engineering, nursing, social work, psychology, law, economics and other disciplines, the university can make a significant contribution to improving the lot of the aged.

"The reduced mobility of the elderly often locks them into ghettos," he said. "They become prisoners within their own walls. The rural elderly are particularly isolated and their health services scarce. We should be offering them better health delivery, transportation, and housing, so that they can afford to live in socially accessible areas."

Dr. Johnson also described the "empathetic model" built by his Institute to make it possible for others to experience the life of a 75-year-old: the subject dons glasses with coated lenses, finger

stalls that dull tactile sensation, ear plugs, and even the back and leg braces that compound the frustrations of being old. "The model was developed by biomedical researchers to train architects," he explained, "but it is now used to help jurists, the police, social workers, and others to become more sensitive to the needs of the elderly."

The needs of women over 65, he said, have been overlooked: "They outnumber men and are usually poorer. They usually live alone, have chronic health problems, and suffer from the derogatory myth that they are sexless, eccentric and useless. In research on learning ability, women are usually left out."

The university launching a program for the elderly should follow an inter-disciplinary approach and be prepared to invest considerable resources, he said. The gerontology unit should be a department in the university, but should not be restricted to one area. Johnson adjured the audience to remember that many distinguished artists achieved critical acclaim in their senior years and that we should not overlook their potential and productivity.

At U of T, a search committee has been established to name the co-ordinator of geriatrics.

R.S.

UTSA annual meeting

The U of T Staff Association annual general meeting will be held on Wednesday, April 27 from 12.15 to 2 p.m. in room 3154 of the Medical Sciences Building. At the meeting, officers of the Association for 1977-78 will be elected. All UTSA members are urged to attend.

Woodsworth principal sought

A search committee to select a successor to Professor Arthur Kruger as principal of Woodsworth College has been established.

The committee, under the chairmanship of Professor Milton Israel, Vice-Provost, is composed of Dean C.S. Churcher, Faculty of Arts and Science; A.R. Waugh and C.A. McMahon, Woodsworth College; Professor Taylor Gilbert, Department of Political Economy; Dean J.C. Ricker, Faculty of Education; Professor S.B. Chandler, Department of Italian Studies; Professor Dennis Magill, Department of Sociology; Principal W.G. Saywell, Innis College; Pat Wilson, Pam Kilius and Sue Evans, students; and Norma Grindal, alumna.

The committee is now calling for nominations. It is requested that the name of any nominee, with accompanying curriculum vitae if possible, be forwarded before April 29 to Professor Israel at room 222 Simcoe Hall.



UNIVERSITY
of TORONTO

Bulletin

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What do *you* think?

The ideas and suggestions of its readers can help make the *Bulletin* a more informative and useful publication.
Let us know what you think by replying to this questionnaire (approximate time: 5 minutes) and we'll do our best to improve the *Bulletin* accordingly.
If you keep file copies of the *Bulletin*, but wish to answer this questionnaire, just supply your name and department and you will receive a duplicate copy of this issue.

Do you read these <i>Bulletin</i> items? Please indicate whether you do so OFTEN or RARELY with an "O" or an "R".	
News stories	
Feature stories	
Coverage of meetings of Governing Council and its committees	
Administration and Governing Council announcements	
Briefly	
Forum	
Staff Notes	
Books	
Events	
Job Openings	
PhD Orals	
ORA	

How can those items you have rated "R" be made more useful/interesting/entertaining?

Would you like to see MORE or LESS or the SAME amount of the following? Indicate with an "M" or "L" or an "S".	
News stories	
— St. George campus	
— Erindale and Scarborough campuses	
— off-campus events, where appropriate	
Coverage of the meetings of Governing Council and its committees	
Feature and background stories	
— science/medicine	
— social sciences	
— humanities	
— administrative staff	
Investigative reporting of current issues at U of T	

If, periodically, the *Bulletin* were to publish a rectangular, blank form designed to elicit notification from its readers of staff activities and honours, deaths, meetings and conferences, as well as story ideas, would you make use of it?

Is the *Bulletin* supplying you with the kind of information you require and expect from your staff publication?

If not, what's missing?

The *Bulletin* tries to remain as objective as possible in its news coverage (of Governing Council and Academic Affairs meetings, for instance). Does it succeed in this?

If not, give examples.

How would you suggest the *Bulletin* be improved?

Additional comments:

The *Bulletin* is published on Friday. On what day of the week do you typically receive/pick up your copy?

Are you: Faculty ___ Administrative staff ___ Student ___
Other ___

Your name and department, while not required, are welcome.

Please detach this page, put it in an envelope and send it via campus mail, no later than April 29, to:

Editor,
The Bulletin,
45 Willcocks Street,
University of Toronto.

STAFF NOTES



Phil Nimmons, director of the Faculty of Music's jazz ensemble, composer and arranger and conductor of Nimmons' N' Nine Plus Six, was presented with the Juno Award for the best jazz album, *Atlantic Suite*.

Arts & Science

Political Economy

On the occasion of the bicentennial of the *Wealth of Nations* and the publication of a Japanese edition of his *Economics of Adam Smith*, Professor Samuel Hollander made a lecture tour of Japanese universities in the autumn under the auspices of the Japan Society for the Promotion of Science. He spoke at the Universities of Waseda, Keio, Tohoku (Sendai), Nagoya, and Kyoto; gave the invited guest lecture at the annual meetings of the Society for the History of Social and Economic Thought at Kyushu University; and addressed the Adam Smith Society of Tokyo. The lectures were: *Some Reactions to the Wealth of Nations, 1776-1815*; *The Origins of Ricardo's Theory of Profits*; *Adam Smith and the Self-Interest Axiom*; *Ricardo and the Corn Laws*; *The Ricardian Socialists*; *Smith and Ricardo: Aspects of the Nineteenth Century Legacy*; *The Ricardian Theory of Economic Policy*; *J.S. Mill, Ricardianism and the Neo-Classical Challenge*.

Professor Hollander has recently been elected to the Royal Society of Canada.

Chemistry

Professor S.C. Nyburg recently gave invited lectures at York University entitled "A Crystallographic Look at Electron Density" and at McGill University entitled "A Crystallographic Look at Organo-Sulphur Compounds".

East Asian Studies

Professor W.A.C.H. Dobson gave three lectures on Communist China and the Chinese Heritage at the University of Texas in March.

Computer Science

Professor C.C. Gotlieb was an invited participant in the Computer Science and Technology Ethics Workshop, sponsored by the American Federation of Information Processing Societies (AFIPS), held at the Stanford Research Institute, Menlo Park, California, in March.

Two members of the Faculty of Dentistry are filling editorial positions. Dr. R.S. Turnbull has been appointed scientific editor of the *Canadian Dental Association Journal*, and Dr. J.A. Hargreaves has been appointed editor of the *Ontario Dentist*, the journal of the Ontario Dental Association.

A charter executive for the Canadian division of the International Association for Dental Research has been elected and was announced at the 1976 biennial meeting of the Association of Canadian Faculties of Dentistry in Edmonton. The officers are Dr. A.M. Hunt, president; Dr. B.J. Sessle, vice-president; and Dr. H.J. Sandham, secretary.

Dr. B.J. Sessle gave an invited lecture entitled "Descending Inhibitory Systems and Effects of Analgesic Drugs" at the first annual meeting of the International Association for the Study of Pain, Eastern Canadian chapter, held in Montreal. He gave an invited talk on "Effects of Sensory Inputs on Brain Stem Neurons Involved in Oral-Facial Motility and Respiration: Physiological and Clinical Implications" at the "Bite Centennial — An International Symposium on Oral Physiology and Occlusion" held in Newark in September.

In November, he organized a satellite symposium on "The Trigeminal System in Oral-Facial Motor Function" for the Society of Neuroscience annual meeting held in Toronto. The symposium was attended by an international group of 60 clinicians and scientists. Later in the month, Dr. Sessle visited the University of British Columbia where he gave a lecture entitled "Pain Mechanisms and the Trigeminal System".

Dr. D.C. Smith visited South America on the invitation of the Brazilian Group for Dental Materials, lectured in Peru and Brazil, and visited Bolivia. He attended a workshop on "Fissure Sealants" sponsored by the National Institute of Dental Research in Washington in September and read an invited paper on "Identification of Properties of an Ideal Pit and Fissure Sealant".

Dr. A.B. Hord, in July, presented a six-day participation course to the Saskatchewan Dental Nurses on "Aesthetic Anterior Restorations". In November, he presented a participating course in "Anterior Direct Restorations" sponsored by the Royal College of Dental Surgeons in Thunder Bay. Later that month, he addressed students of the Faculty of Arts and Science on "Dentistry as a Career" at the St. George and Scarborough campuses.

Dr. A.T. Storey presented a series of lectures on "Oral Physiology and Its Clinical Implications" to faculty and students of the School of Dentistry, University of Antioquia, Colombia, during August. In September, he was guest lecturer for the clinical session of the Association of Prosthodontists of Canada meeting in Edmonton.

In December, he was a guest essayist at the 22nd scientific meeting of the Greater New York Academy of Prosthodontics. His topic was "Neuromuscular Regulation of Maxillo-Mandibular Relationships".

Dr. C.J. Osadetz gave an illustrated lecture on "Rubber Dam" to the Ontario Dental Hygienist Association in Toronto in May.

Dentistry

Dr. Frank Pulver presented a projected clinic at the Toronto Academy of Dentistry, winter clinic, entitled "Maintaining the Primary Dentition from Eruption to Normal Exfoliation".

During May, faculty members addressed district dental societies. Dr. Frank Pulver spoke to the Cornwall and District Dental Society in Cornwall, Dr. J.H.P. Main addressed the Haldimand-Norfolk Dental Society in Simcoe and Dr. R.T. Lang spoke to the Brockville Dental Association.

During the fall term, faculty members visited several district dental societies. Dr. F.L. Zarb gave a presentation on "Crown and Bridge Prosthodontics" to the Kingston and District Dental Society, Dr. G.A. Zarb spoke on "Occlusion in Prosthodontics" to the Peterborough and District Dental Society, Dr. A.H. Fenton spoke to the Sudbury District Dental Society on "Current Concepts in Prosthodontics", Drs. Keith Titley and Keith Morley conducted a one-day seminar in paedodontics for the Bay of Quinte Dental Society in Belleville, Dr. Eric Freeman gave an extra-mural lecture on "Periodontics for the General Practitioner" to the Sault Ste Marie and District Dental Society and Dr. R.S. Turnbull gave a program to the Peterborough and District Dental Society on "Surgical Periodontics for the General Practitioner".

Dr. D.M. Brunette presented a poster entitled "Epithelial-like Cells from Monkey Periodontal Ligament Have an Unusual Relationship with Fibroblast-like Cells in Cell Culture" at the first International Congress on Cell Biology held in Boston in September.

Dr. T.W. Walker gave a paper on "Improved Optics in Capillary Cell Culture Systems" at the 11th International Conference on Medical and Biological Engineering held in Ottawa in August.

Postgraduate courses to be given during May include, "Orthodontics for the General Practitioner" under the direction of Dr.

R.O. Fisk; "Diet Analysis and Consultation in Preventive Dentistry" under the direction of Dr. Maret Truuvert, and "Operative Dentistry" under the direction of Dr. A.B. Hord.

Drs. R.J. Borris and R.O. Fisk gave an extra-mural lecture to the Muskoka-Simcoe Dental Society in Huntsville in February.

Drs. G.E. Lucier, L.F. Greenwood and B.J. Sessle attended the Canadian Physiological Society meeting held in Banff in January where they presented a paper entitled "Excitatory and Inhibitory Effects of Peripheral Stimuli on Single Motoneurons Supplying Cat Laryngeal Muscles".

Dr. G.S. Beagrie attended the Jamaica Dental Association convention where he gave lectures on "Behaviour of the Dental Pulp to Restorative Procedures" and "Splints in Periodontal Therapy".

During January, Dr. D.C. Smith gave a presentation at a colloquium to the staff of the Faculty of Dental Medicine, University of Montreal, describing proposed curriculum changes at U of T. He gave an all-day course on "Recent Developments in Dental Materials" to the Canadian Forces Dental Service School at Camp Borden. And with Dr. A.B. Hord he gave an all-day course to the Waterloo-Kitchener Dental Society on "Current Concepts in Restorative Materials".

Dr. A.R. Ten Cate recently presented the Julius Fox memorial lecture to the Tri-State Endodontic Society in New York and also gave seminars at the New Jersey Dental College and the New York Dental Center.

The paper entitled "An Epidemiological Study into the Practicality and Potential Impact of Tissue Sealants" by Drs. D.W. Lewis and J.A. Hargreaves was presented at the International Congress for Preventive Dentistry and Oral Health held in Costa del Sol in February.

Medicine

Professor R.A. Gordon, chairman of the Department of Anaesthesia, has recently been elected a member of the Council of Biological Editors.

Dr. S.S. Desser, Department of Microbiology and Parasitology, lectured on "The Biology of the Haemosporina" at the University of Guelph in January, and on "The Development and Pathogenesis of *Leucocytozoon simondi* in Canada".

Geese" at the Institute of Parasitology, McGill University, in February.

Dr. Henry Z. Movat of the Department of Pathology was a member of the scientific panel which acted on the proposal of the University of California at San Diego to create a Center for Trauma, Burn and Shock, costing \$4.6 million.

Applied Science & Engineering

During his research leave in February and March, Professor Jerzy Ganczarczyk, Department of Civil Engineering, spent some time at Vanderbilt University, the University of Houston and Florida Technological University. During these visits, he presented the following papers: "Some Aspects of Aerobic Digestion of Organic Solids", "Nitrification of Industrial Effluents", "Transformations in Molecular Sizes of Wastewater Lignins", "Activated Sludge Treatment of Coke-Plant Effluents" and "Controversy of Calcium Toxicity in Biological Treatment of Wastewater".

During his sabbatical year, Pro-

fessor W. Howard Rapson was invited to be the keynote speaker at the annual meeting of the Indian Pulp and Paper Technical Association held in New Delhi in March. While in India he was taken on a tour of pulp and paper mills near Bombay, Bangalore, Madras and Calcutta. He spent the month of June in Bratislava at the invitation of the rector of the Slovakian Technical University.

In December, Professor Rapson was invited to present seminars on the non-polluting closed-cycle bleached kraft mill and to consult on the design and operation of bleach plants in Leningrad and Moscow and in Irkutsk in Siberia.

STAFF NOTES

Geology

Professor **G.M. Anderson** took part in a NATO conference on "Thermodynamics in Geology" held at Oxford in September.

Professors **A.M. Goodwin** and **C-L Chou** attended the Minnesota River Valley field trip during May. Following the field trip they attended the annual Institute on Lake Superior Geology held in St. Paul where they presented papers on "Lithic and major element composition in the Superior Geotransverse, Ontario" (Dr. Goodwin) and "Abundances of rare earth and other elements in Archean granitic and gneissic rocks from the English River gneiss belt, Ontario" (Dr. Chou, N.B.W. Harris and Dr. Goodwin). Dr. Goodwin also acted as co-chairman of a symposium on the geology and geochemistry of earliest Precambrian rocks.

Professor **Geoffrey Norris** has returned from leave in Germany where he spent six months at the Geological Institute of the University of Cologne studying electron microscope techniques. He was also engaged in field work in the Lower Saxony Basin, Yorkshire and the French Jura.

Dr. **J.C. Rucklidge** gave a paper entitled "User Oriented Automations of a Microanalytical Laboratory" at a meeting concerned with the computer and chemical analysis sponsored by the Analytical Division of the Chemical Institute of Canada and held at the National Research Council in Ottawa in October.

In November, he visited several geological and analytical labora-

tories in England and Austria to look at the state of instrumental analysis. He gave a paper on "Applications of CAMAC in Laboratory Automation" at a meeting of the Mineralogical Society of Great Britain and a lecture on "Alteration Processes in Ultramafic Rocks" at the Mining University of Leoben, Austria.

Professor **D.H. Gorman** during the summer attended the annual meeting of the Central Canadian Mineral Federation held at Carleton University. He gave a lecture on "Striations on Minerals", was the chief judge of mineral displays, took part in seminars on mineral displays and judging and was placed on the committee for re-writing the rules for judging Canadian mineral exhibits.

In late July, he spent two weeks in Bancroft on a grant from the Canadian Geological Foundation to try and establish a mineral museum there. The town council has donated a site for the museum. He also attended the Bancroft Gemboree and for two days identified minerals for the general public. In August, he led the New Brunswick portion of a field trip to Quebec and the Maritimes.

Professor **Fried Schwerdtner** spent the summer in the Atikokan-Fort Frances region, mapping the Irene-Eltrut Lakes Granitic Complex, southern portion, and visiting U of T students in their thesis areas.

During the summer, Professor **A.J. Naldrett** attended the International Geological Congress held in Sydney, Australia, where he

took part in a symposium on experimental geology and ore genesis and gave a review paper with Professor **V. Rajamani** on experimental results relevant to the genesis of Ni-Cu sulfide deposits. Prof. Naldrett also took part in a pre-conference field trip to the Papua-New Guinea ophiolite belt, and a post-conference field trip to Panguna and the active volcanoes of New Britain.

During the fall term, he visited the University of Michigan where he gave two lectures: "Metallogenesis of Nickel Sulfides and Its Application in Exploration" and "The Chemistry of Nickel Sulfide Genesis".

During the summer, Professor **Jon Van Loon** spent a month visiting laboratories in Brazil, South Africa, Kenya and Holland. While in South Africa he was invited to deliver a plenary lecture at the IUPAC international symposium on "Analytical Chemistry in the Mining and Metallurgical Industry" held in Johannesburg.

In September, he gave an invited talk at the meeting of the Canadian Mineral Analysts in Timmins. In October, he spoke by invitation at the Central Canada Undergraduate Conference.

Professor **A.M. Goodwin** spent three weeks in Spain and Portugal during the fall attending field excursions and a conference sponsored by two projects of the International Geological Correlation Program: Correlation of the Precambrian in mobile zones, and Precambrian in younger fold belts.

Education

Professor **John Emerson** concluded his two-year term as president of the Canadian Society for Education through Art by presiding over the 22nd annual national assembly held in Hamilton in October.

Dr. **Michael McCarthy**, while on a six-month sabbatical leave, gave a number of lectures in Ireland: at St. Patrick's College in Maynooth and to the Irish Georgian Society, at the National College of Art and

Design, and at the National Gallery of Ireland in Dublin.

In October he read a paper entitled "Art Education and the Grand Tour" to the annual symposium of the Association for 19th Century Studies held at McMaster University.

Professor **Bruce Conchie** presented a paper on "Current Trends in Consumer and Business Education" at the Consumer Education Dialogue Conference in August and at the annual Consumer

Relations Conference in October. Both meetings were at the University of Guelph. He also conducted a workshop, "Mathematics is Applied Consumer Education", for the National Council of Teachers of Mathematics in Winnipeg in October.

Professor **V.K. Gilbert** was one of a panel discussing teacher education at the annual conference of the Northern region of the Ontario Secondary School Headmasters' Council held in Timmins in October.

Professor **B.C. Stewart** participated in the "Quality Education" conference sponsored by the Canadian Teachers' Federation at Carleton University in May. He has been selected as chairman of a task force to set up a provincial forum on teacher education. The task force was created at the Teacher Education Association annual conference held in Toronto in May.

In June, Prof. Stewart conducted a workshop on team-building for the Toronto executive committees of the Ontario English Catholic Teachers' Association. In August, he gave a presentation on "Andragogy Applied to Educational Leadership" at the Ministry of Education principals' course at Trent University.

Prof. Stewart and **Grace A. Bray** of the School of Continuing Studies have assumed the joint editorship of the *Bulletin* published by the Canadian Association of Continuing Education.

Professor **Richard Volpe** gave a paper on teacher effectiveness at the 1976 meeting of the Learned Societies at Laval University. He also gave a paper on "Social Cognition" at the Piaget Society meeting in Philadelphia in June.

Institute for Environmental Studies

Dr. **Johan Hellebust** gave a paper on "Oil spill effect on aquatic ecosystems" at the 4th Botanical Congress in Maracaibo, Venezuela.

Tom Davey gave an invited lecture on "Science and the News Media — a Review of Case Histories" at Scarborough College

as part of a course given by IES Associate **Dr. L.T. Foster**.

Dr. **F.K. Hare** was in the Antipodes during the summer. He was at the Australian National University, Canberra, for a meeting of authors for the UN Conference on Desertification. He gave a lecture at the University of Adelaide on "Stratospheric Pollution: Fact or Fancy?" to the Royal Society of South Australia.

As Commonwealth Prestige Fellow in New Zealand he visited the University of Auckland and Wai-kato, Massey, Victoria, Otago and Canterbury Universities. In Wellington, he addressed a meeting of the Environmental Council and gave a seminar to the New Zealand Meteorological Service. He also gave a public lecture on "Stratospheric Pollution: Fact or Fancy?" as guest of the Victoria University and the Meteorological Service.

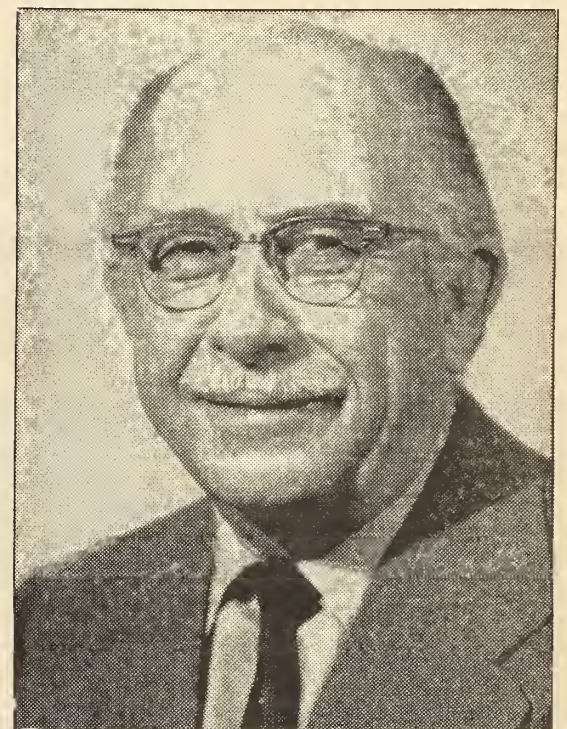
In February, Professor Hare gave, by invitation, two of the University of London's Senate House Special Lectures. He talked about environmental research now and in the future.

Medieval Studies

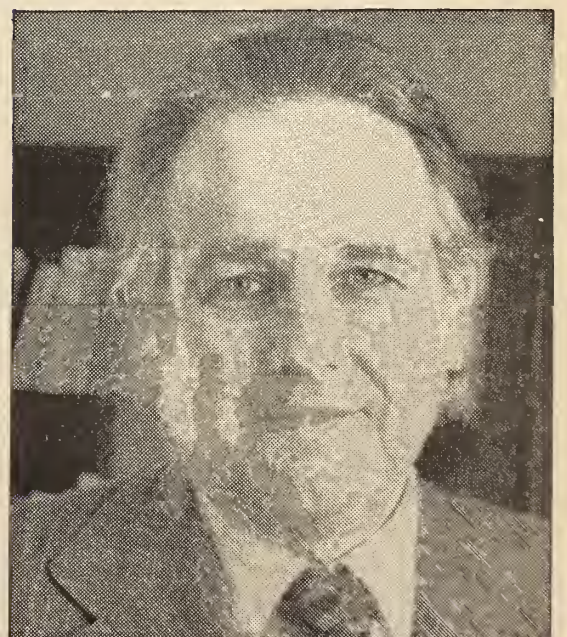
Professor **James McConica**, on sabbatical leave from the Centre for Medieval Studies and Pontifical Institute of Mediaeval Studies, presented a paper entitled "The Social Relations of Tudor Oxford" at a conference of the Royal Historical Society on "Education and Its Social Purposes" held at Clare College, Cambridge in September. In November, he took part in a colloquium on the changing social constituency of Oxford University in the sixteenth century held at the University of California, Berkeley.



Professor **N.F. Moody** has been appointed Professor Emeritus, Institute of Biomedical Engineering.



Professor **F.A. Urquhart** has been appointed Professor Emeritus, Division of Life Sciences, Scarborough College.



Harald Bohne, acting director of the U of T Press, was elected president of the Association of Canadian Publishers at its annual meeting held in Peterborough at the end of February. The ACP has 97 members, 50 active and 47 associate, and is the association of English language book publishing companies in Canada.

JOB OPENINGS

Below is a partial list of job openings at the University. Interested applicants should read the Promotional Opportunity postings on their staff bulletin boards, or telephone the personnel office for further information. The number in brackets following the name of the department in the list indicates the personnel officer responsible. Please call:

(1) Sylvia Holland, 978-6470; (2) Wendy Chin, 978-5468; (3) Manfred Wewers, 978-4834; (4) Ann Sarsfield, 978-2112; (5) Beverley Chennell, 978-7308.

Secretary II (\$8,470 — 9,970 — 11,460)

Medical Genetics (4), Chemistry (1), New College (2), Dean's Office, Faculty of Medicine (4)

Laboratory Technician I (\$8,470 — 9,970 — 11,460)

Pharmacology (4), Pharmacy (4)

Laboratory Technician II (\$10,370 — 12,200 — 14,040)

Medicine (4), Surgery (4), Pharmacy (4)

Laboratory Technician III (\$11,450 — 13,470 — 15,490)

Zoology (1), Medical Genetics (4), Dentistry (1)

Electron Technologist I (\$9,850 — 11,590 — 13,330)

Electrical Engineering (5)

Engineering Technologist IV (\$16,530 — 19,450 — 22,370)

Radiological Research Labs (4)

Craftsman III (\$12,710 — 14,960 — 17,200)

Erindale College (2)

Programmer I (\$9,850 — 11,590 — 13,300)

Preventive Medicine & Biostatistics

Administrative Assistant I (\$9,330 — 10,970 — 12,620)

Media Centre (4), Dentistry (1)

Administrative Assistant III (\$14,900 — 17,530 — 20,160)

U of T/York University Joint Program in Transportation (5)

Energy Management Engineer (\$20,420 — 24,020 — 27,620)

Physical Plant (3)

PhD ORALS

Thursday, April 28

Juan Guillermo Renart, Department of Hispanic Studies, "Unamuno's *El Cristo de Velázquez*." Thesis supervisor: Prof. M. Valdés. Room 201, 65 St. George St., 2 p.m.

Angelina Theresa Wong, Department of Educational Theory, "A Study of the Relationship Between the English Proficiency and Cultural Background of Chinese Immigrant Students and Their Educational and Social Development." Thesis supervisor: Prof. D. Ellis. Room 307, 63 St. George St., 2 p.m.

Friday, April 29

Donald Lawrence Carveth, Department of Sociology, "Sociologism and Psychoanalysis: A Study of Implicit Theories of Human Nature on 'Symbolic Interactionism', 'Reality Constructionism' and Psychoanalysis." Thesis supervisor: Prof. L. Zakuta. Room 111, 63 St. George St., 10 a.m.

Parviz Haddad, Department of

Civil Engineering, "A Multivariable-Statistical Approach to the Evaluation of the Undrained Behaviour of Clays." Thesis supervisor: Prof. F. A. De Lory. Room 309, 63 St. George St., 10 a.m.

Lynn Ellyn Erickson, Department of History, "A World of Larger Scope: The Liberal Party in Transition, 1874-1880." Thesis supervisor: Prof. J.B. Conacher. Round Room, Massey College, 10 a.m.

Ruth Elizabeth McLellan, Department of English, "The Geography of the Imagination: Some Uses of Landscape and Setting in Five English Epics: *The Faerie Queene* — *Paradise Lost* — *The Seasons* — *The Prelude* and *The Idylls of the King*." Thesis supervisor: Prof. W.F. Blissett. Room 201, 65 St. George St., 11 a.m.

Peter McMahon, Faculty of Social Work, "A Study of Social Service Graduates in Ontario." Thesis supervisor: Prof. D. Bellamy. Room 111, 63 St. George St., 2 p.m.

Barry S. Kogan, Department of Philosophy, "Averroes' Doctrine of Causal Efficacy." Thesis supervisor: Prof. A. Maurer. Room 307, 63 St. George St., 2 p.m.

James Richard Gillespie, Department of Physics, "Numerical Modelling of the Evolution of Drop Size Distributions in Rain." Thesis supervisor: Prof. R. List. Room 309, 63 St. George St., 2 p.m.

Monday, May 2

Gordon Elliot, Department of History, "Sir George Savile, A Country Gentleman." Thesis supervisor: Prof. J.M. Beattie. Round Room, Massey College, 10 a.m.

Kim Richard Nossal, Department of Political Economy, "Strange Bedfellows: Canada and China in War and Revolution." Thesis supervisor: Prof. J. Holmes. Room 111, 63 St. George St., 10 a.m.

Terrance J. Ferguson, Department of English, "The Test of Greatness: The Grotesque in Melville's Major Novels." Thesis supervisor: Prof. L.M.G. Clark. Room 307, 63 St. George St., 2 p.m.

Christopher W. Morris, Department of Philosophy, "Social Relations, Socialization, and Freedom: Toward A Social Theory." Thesis supervisor: Prof. L.M.G. Clark. Room 307, 63 St. George St., 2 p.m.

RESEARCH NEWS

Bickell Deadline Advanced

The Bickell Foundation has recently advanced its deadline to receive non-medical applications. Applications are now due at the

foundation by April 29, earlier than previously announced. Applicants are requested to give completed applications to ORA at least one day in advance. For information, call 978-2163.

Report on the use of hospital records for research purposes

The following report of the committee on the use of hospital records for research purposes was accepted March 29 by the human experimentation subcommittee of the University's Research Board (Ref. Bulletin, April 15.)

Terms of reference

"In view of the wide differences that exist among the review committees in the requirements made of investigators with respect to access to hospital records, the human experimentation subcommittee has been asked by ORA to consider ways in which it might guide the thinking of review committees and offer useful guidance to department chairmen whose responsibility it is to make known to members of their departments the University's requirements with respect to research conducted under its auspices."

The terms of reference and the complex nature of the subject suggest that the committee should seek to enunciate general principles and essential considerations rather than detailed and highly specific rules.

For our purposes we considered hospital records to be all information concerning patients retained as:

- (a) Statistical material;
- (b) Case histories filed in conventional ways;
- (c) Data banks.

The purpose of recording and retaining information is to provide the basis for diagnosis and treatment of the patients whose records they are, and for increasing medical knowledge, through research. The ultimate goal of research is to increase the accuracy of diagnosis and effectiveness of treatment for all members of society.

The ethical principles that are involved in the use of hospital records concern the rights of individual patients and the needs and rights of society. In an ultimate sense these may coincide, but in some situations they appear to be in conflict. The individual has the right to:

- (a) **privacy** — achieved through confidentiality in the use of information about him, and discretion in exposing his person in the presence of others;
- (b) **self-determination** — achieved through the exercise of choice and consent;
- (c) **respect** — achieved through courtesy and sensitivity to his feelings.

What we refer to as the rights of society in this context are the rights of everyone to

the best care that medical knowledge makes available, and consequently to the most advanced knowledge that the profession can obtain.

The ethical responsibility of all concerned is therefore to balance the need for accessibility of patient information for research purposes with the obligation to respect the individual patient's rights as stated.

Access to records

If hospital records are to be accessible for research purposes, the interests of privacy must be served by the restrictions that are imposed upon the accessibility — governing the purpose for which they are used and the persons who may use them. The purpose should be for research of high quality aimed at the public good. Those having access should be qualified professionally, and directly associated with the patient's care and/or with the institution having custody of the records; or they may be government employees directly responsible for society's health care; or they may be qualified research personnel from institutions such as universities, which have accepted standards of protocol and established arrangements with hospitals concerning the purpose and procedures of specific research activities.

The majority of reputable hospitals have review boards with authority to assess and approve the use of patient records for research purposes by members of the hospital staff or of associated institutions, and to ensure that there are adequate safeguards to protect the confidentiality of the information. However, of increasing concern is the question of the extent to which the use of records should depend upon the consent of the patients concerned, in principle and in practice. The urgency of this matter is increased by the establishment of data banks with computer-facilitated accessibility from the remotest regions by radio and telephone. To the practical difficulty of obtaining consent for retrospective studies in the unforeseeable future is added the complexity of monitoring the use of data banks.

Patient consent

General consent

There is a kind of consent on the part of the patient that is implicit when he

understands and accepts (a) the connection between his expectations of the medical profession and the availability of his medical records for research purposes, and (b) the responsibility of government for public health, and its need for statistical and other information which he can help to provide. This kind of understanding and consent is more a matter of education than of formal statement, though there are many situations where such a statement would be appropriate.

An extension of this is a kind of general consent that is implicit when a patient entering hospital understands and accepts normal hospital practices that involve the use of records for statistical purposes and research. These practices and the reasons for them should be explained in appropriate literature made available on admission. Information should also be given about affiliations with other hospitals, with universities and with other research institutions. Reference should be made to the nature and importance of retrospective studies, statistical studies, team research and individual research. The safeguards which protect the confidentiality of information should be carefully described. A statement of the relevant codes of professional ethics should also be given.

With this information clearly presented, it should be reasonable to expect that explicit and particular consent is not necessary in the case of statistical studies by authorized persons following the approved procedures and supervised by the hospital authorities. By the same token, and under the same controls, explicit and particular consent should not be necessary for a physician to use his patients' records for his own research purposes, with a view to publication, or to make his patients' records available to other physicians for the same purpose, or to collaborate with approved researchers from universities for a similar purpose. Generally, the permission of the physician should be sought by anyone wishing access to his patients' records, and only medical personnel or those approved by the hospital board should be given this permission.

Particular consent

When a research project proposes a use of records which makes the risk of identification unusually great, or otherwise intrudes upon the patient's privacy or that of his family, particular and explicit consent should always be sought — by his

own physician or any other authorized person.

Consent and coercion

There is an inherently coercive element in a situation in which a patient requires medical care and is asked to consent to such things as the use of his records for general, albeit research, purposes. In a sense, the patient is at a disadvantage. Furthermore, the more the information tends to reveal his identity and the less directly the benefits appear to accrue to him, the more difficult it is for him to see the justification for giving consent. The tension of this situation is unavoidable, but it can be reduced significantly by keeping the patient well informed and by treating him as a collaborator in the enterprise of research, rather than as a victim — a passive instrument of what is often seen to be someone else's professional ambition.

The University's responsibility

Academic research institutions have a responsibility to educate, as well as to do research. They have also an ethical responsibility to protect the values of society in the process of research.

The University should, therefore:

- (a) publicize the general principles governing professional, social and ethical demands, and the implications of these inside and outside of hospitals;
- (b) inform its own research personnel of these principles and of the ethical expectation which it and society have of researchers and research institutions;
- (c) encourage hospitals to inform patients of the nature of their normal research needs and procedures, and in turn to encourage patients to identify themselves with those needs and procedures. The University might compose an appropriate "statement" for hospitals to use.
- (d) exercise strict supervision of research procedures and ethical protocol on the part of those under its auspices, with particular reference to minimizing the threat to privacy; maintaining respect, courtesy and sensitivity towards patients; avoiding unnecessary or trivial research and research procedures; observing the regulations maintained by the hospital; and erring on the side of seeking explicit consent where possible, bearing in mind the difference between research through the use of patient records and experimentation, which involves the "use" of the patients themselves.

Is the elephant really trampling its neighbours?

by Mary Henkelman

On April 20, the Business Affairs Committee authorized that \$12,415,000 be spent on the new athletic complex. From seven tenders, the contract was awarded to the Ellis-Don Co. Ltd. of London, Ontario, who will begin construction in about two weeks. The project should be completed during the summer of 1979.

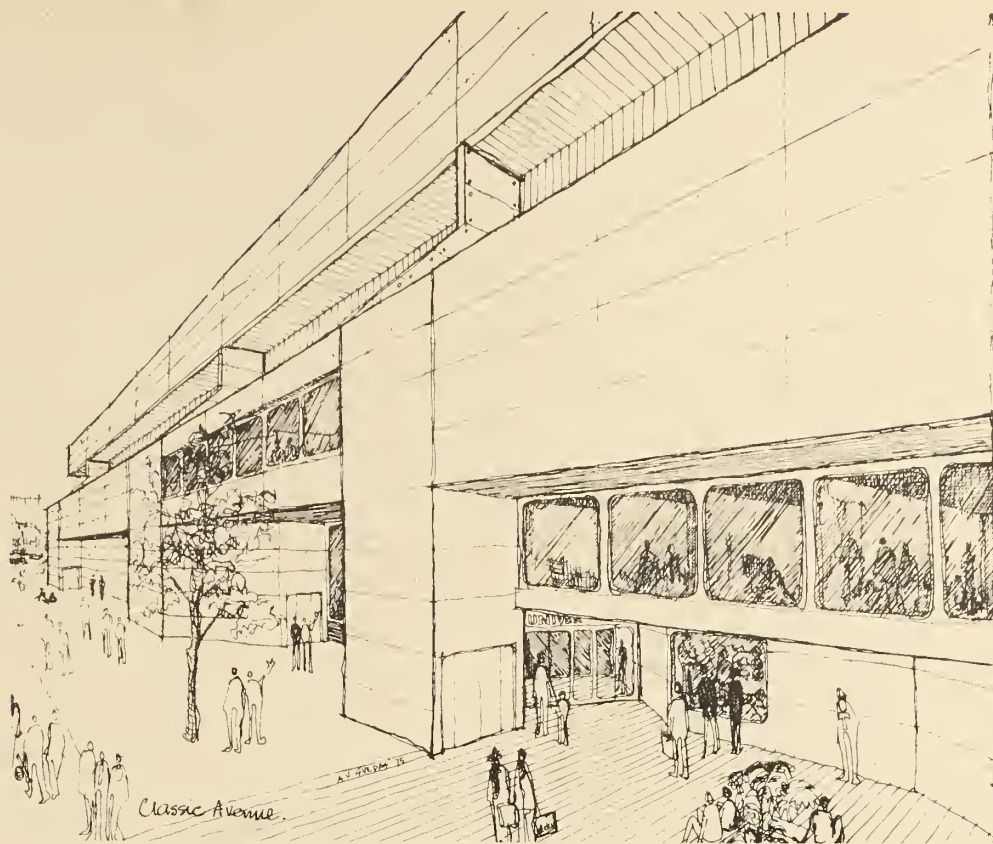
In the wake of all the vociferous opposition to construction of a new U of T athletic complex at Harbord and Spadina, it seems appropriate to wonder what all the fuss has been about.

According to Jack Dimond, executive assistant in the Internal Affairs department, provisions have already been made for community use of the complex. Adjoining the swimming pool and with access to the fieldhouse will be a separate community locker room capable of accommodating 500 people.

The swimming and wading pools will be open to the public approximately 18 hours per week in the winter and more in the summer, supervised by the Department of Parks and Recreation. Arrangements for shared use of the gymnasium and fieldhouse will also be worked out. And unlike many athletic facilities, the building will be equipped for handicapped people.

Of course, the new complex will exist primarily for students and that is only reasonable — the University cannot make a major contribution to downtown recreational needs.

Until now, opposition has been mainly to the fact of the building, rather than its use. Long an opponent of the project, Ward 6 Alderman Dan Heap comments, "I



think there has been some provision made for public use of the building, but as to whether it will prove adequate, we'll have to wait to see how it is administered once the complex actually opens."

Heap is sceptical of the University's need for a large facility, especially at a time of professed cutbacks. To this basic issue, the University argues that at present it has far less athletic space per student than most universities — for example, one third of Water-

Laval's. Even with the new complex, U of T's athletic facilities will loo's space, and one tenth of not be comparable to those of other universities.

Presently, the School of Physical and Health Education is located on the far east side of the campus, at substantial jogging distance from the Benson Building, where most women's activities are taught. Moreover, the School occupies rented space that will have to be

vacated shortly. Many of its activity classes are crowded into a six-week fall term so as to be held outside at Varsity Stadium, between rainstorms.

And men's indoor facilities in Hart House were built in 1919 when the University had only a few thousand students.

So, one centralized, indoor, multi-purpose facility is long overdue.

Since the complex is intended for the average participant, not the

competitive athlete, opponents have questioned the need for olympic-size facilities. In fact, only the pool will conform to international standards, and, as its size means that several programs can use it simultaneously, it will provide an efficient solution to scheduling problems.

Critics predict that the athletic complex will be a monstrosity, rearing its ugly head over a quiet neighbourhood, but, although stacking a necessarily windowless fieldhouse on a relatively windowless pool may make the building seem more massive than it is, its height of 68 feet will not be outlandish compared to the neighbouring Benson Building which is 53 feet high, New College which is 62, and Knox Church which, at 85, will continue to tower over the rest.

And despite neighbours' laments about the demolition of needed residences, only five buildings will be torn down, all of which, save one, have been used as U of T offices for some time.

Although residents are concerned about parking problems created by the complex, the building is not primarily for spectator sports, but for participants already on campus. Compared to the 22,000 seats in Varsity Stadium, the new facility will seat only about 600 spectators in each of the pool and the fieldhouse.

"I think the University has been extremely sensitive to the feelings of the community," says Professor Frank Iacobucci, Vice-President — Internal Affairs. "The record has been one of trying to co-operate, and we're certainly not going to stop trying to improve relations now."

At Scarborough College, athletics is a very serious business

by Sheila Robinson Fallis

Taimo Pallandi, director of athletics at Scarborough College, is an entrepreneur. He has looked hard at the future of University athletics and says, "I wouldn't be surprised if the University wants the athletic department to break even in the future." Accordingly, he has embarked upon a business venture — the construction of four new squash courts that will be, in time, self-financing.

What's his secret, when the rest of the University has, seemingly, barely enough money to fulfill its academic and research responsibilities? Simply this — sound business methods. In 1973, a Scarborough community member telephoned the College to ask Pallandi why local residents couldn't use the four College tennis courts while the students were away during July and August. He really couldn't think of an objection, and established a community membership at a cost comparable to that of most municipal courts. Fifty people joined, and that summer the courts were well used.

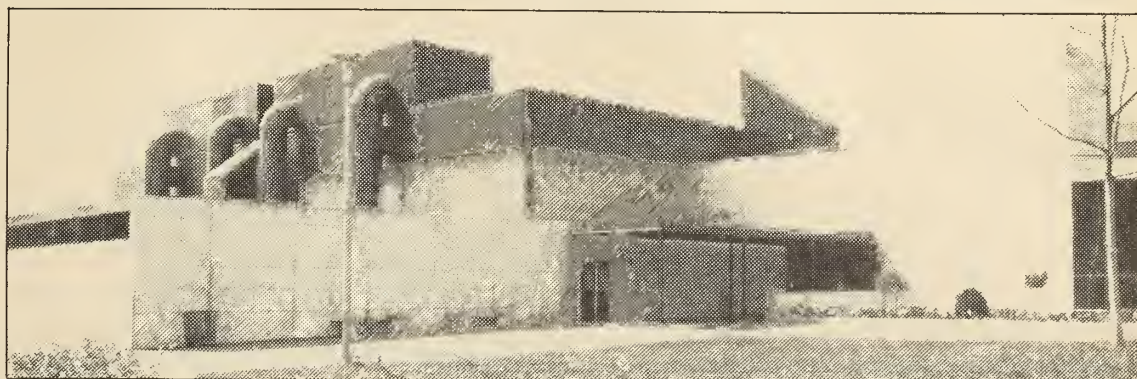
However, the following summer, 200 community members joined. "We realized that, instead of satisfying local people, we were creating a need," Pallandi says. In response to this need, and to the growing interest among students, the College took out a six-year \$30,000 loan from the University and built four additional courts. With the proceeds from community memberships and teaching clinics, the loan was repaid within three years. As an added bonus, several jobs as tennis instructors were created for students; and, last year, three more courts were built.

Says Pallandi, looking ahead, "The tennis experience gave us the confidence to go ahead and build more squash courts. We plan to operate them on the same basis as the tennis courts."

The cost for the squash courts will be much greater — about \$224,850. However, last spring, the College was awarded a Wintario grant to cover 30 percent of the cost, on the basis of the courts' serving the community as well as the College.

To cover the remainder of the cost, 150 memberships will be sold at about \$175 each. Pallandi points out that the figure is well below that charged by most clubs in the city. "The loan should be paid off in eight to ten years," he says.

Pallandi and his assistants, Mary Ann Pilskalnietis and Jan Laaniste, have made a careful study of the peak load problem on the four existing courts in order to make certain that students are not deprived of playing time by community members. Outside members usually book courts for the noon hour and for after five o'clock, he points out, and as most students leave the campus before six, the only serious overlap will occur



Scarborough's athletic complex (top) caters to borough residents by sharing tennis courts and gymnasium time, reflecting athletic director Taimo Pallandi's philosophy of community involvement.

at lunchtime. He feels that for the privilege of having four additional courts, the students will have to learn to live with this small inconvenience.

Although squash and tennis represent Pallandi's most dramatic foray into community participation, he has been quietly opening up more and more recreational facilities to Scarborough residents. The gym is used for community basketball playoffs and championships, the indoor tennis courts are shared with local enthusiasts on Sunday mornings, and the dance studio accommodates a weekly fitness class. None of these is highly profitable, but they allow Pallandi to keep all his facilities open seven days a week.

"Whatever we do with the community has to at least break even," he says. "And in the case of the tennis courts, we actually make money — the community players pay our mortgage."

Pallandi and his assistants are justifiably proud of the recreational program they have established at Scarborough. Participation among students is about 40 percent during the academic year, and last summer 1700 students and 600 non-students took out memberships.

"My feeling is that, in effect, our facilities have been paid for by the taxpayers," says Pallandi. "If they aren't being fully utilized by our students, then we like to see them being used by the community."

SESQUI U EVENTS

For information concerning Sesquicentennial events, phone 978-5000.

SATURDAY APRIL 23

Here's to your health, Faculty of Medicine **Open House.** Displays include embryology, anatomy, nutrition, hematology, radiology, physiology, cancer; films on current medical research problems. Main floor, Medical Sciences Building. 10 a.m. to 6 p.m.

German Music for Viols and Tenor Solo, concert by Hart House Consort of Viols. Music Room. 8.30 p.m. Tickets \$5, students \$2. Limited number of free tickets for HH members from hall porter.

SUNDAY 24

Proteins and enzymes: biochemicals in your body (16th lecture in special Sesquicentennial series at Science Centre) Dr. Charles Deber, Department of Biochemistry and Hospital for Sick Children. Main auditorium, Ontario Science Centre. 3 p.m.

MONDAY 25

The Knowledge Performance Gap — Moral Reasoning as a Possible Bridge (Seminar) Prof. T. Joseph Sheehan, University of Connecticut. Behavioural Science conference room, third floor, 121 St. Joseph St. 2-4 p.m.

TUESDAY 26

Giants and Dwarfs: A Pathophysiologic Inquiry (Hurst Brown Lecture) Dr. William H. Daughaday, Washington University School of Medicine. Auditorium, Toronto Western Hospital. 4 p.m.

An Independent Distance Scale for Pulsating Variables (Colloquium) Dr. Thomas G. Barnes III, University of Texas. David Dunlap Observatory. 4 p.m.

Victoria Women's Association (Final meeting of year) Dr. W.E. McLeod, Department of Classics. Wymilwood. 2 p.m.

THURSDAY 28

Chinese Archaeological Textiles

REMINISCENCES OF OLD EDINBURGH

By DANIEL WILSON



VOLUME II

EDINBURGH: DAVID DOUGLAS

1878

THESE ANCIENTS OF DAYS decorate one of the oldest books in Professor as Author, on view at the Robarts and Science and Medicine Libraries until the end of September.

(Second lecture in series, **Chinese Costume**) John Vollmer, Textile Department, ROM. Lecture room, McLaughlin Planetarium. 8 p.m.

Phosphorylation of Membrane Proteins (Seminar) Dr. Philip Branton, McMaster University. 4227 Medical Sciences Building. 12 noon. (Membrane Club)

FRIDAY 29

The Value of the New Religions (Last of eight Lunch & Learn Club lectures, **Deprogramming: Documenting the Issues**) Prof. Irving Zaretsky, University of Chicago. Innis Town Hall. 12.15 p.m. Admission \$2 at door.

Galbraith Looks at the Canadian Economy (UC Symposium) Dr. J.K. Galbraith, Professor Emeritus, Harvard University, keynote speaker followed by panel discussion. Panel chairman: Hon. Walter L. Gordon; panel members: H. Ian Macdonald, York University; Dian Cohen, Montreal; Prof. Abraham Rotstein, Department of Political Economy. Convocation Hall. 8 p.m. Tickets \$5 from Alumni House, 47 Willcocks St., telephone 978-2367.

SUNDAY MAY 1

Machine design with people in mind (17th lecture in special Sesquicentennial series at Science Centre) Prof. Patrick Foley, Department of Industrial Engineering. Main auditorium, Ontario Science Centre. 3 p.m.

MONDAY 2

Music in the University and Modern Society (Last in Sesquicentennial **Impact** series) Dean John Beckwith, Faculty of Music; Lukas Foss, conductor and musical adviser, Brooklyn Philharmonia and Kol Israel Orchestra of Jerusalem; chairman: Prof. Gustav Ciamaga, Department of Theory and Composition. Auditorium, Medical Sciences Building. 8 p.m.

Occupational Health and Safety: An International Perspective (Conference) Speakers: Dr. Eric Bolinder, Swedish Trade Union Confederation, Stockholm; Kaj Elgstrand, National Board of Occupational Safety & Health, Silna, Sweden; Dr. Sven Hernberg, Institute of Occupational Health, Helsinki; John Locke, Occupational Health & Safety Executive, London, Eng.; Dr. Suzette Gauvin, Employment Medical Advisory Service, London; Dr. W.R. Lee, University of Manchester; Dr. Morton Corn, University of Pittsburgh; Dr. Nicholas Ashford, Massachusetts Institute of Technology; Dr. Earl Heath, U.S. Department of Labor, Washington, D.C. Academy of Medicine, May 2 and 3 from 9 a.m. to 5 p.m. Enrolment limited to 200.

Registration and information, 978-6954. (Preventive Medicine & Biostatistics)

TUESDAY 3

Opera Excerpts performed by students in Opera Department. MacMillan Theatre, Edward Johnson Building. May 3, 4, 6, 24, 25 and 27 at 8 p.m. Admission \$1 at door.

WEDNESDAY 4

Lipid-Protein Interactions in Myelin (Seminar) Dr. Joan Boggs, Hospital for Sick Children Research Institute. 4227 Medical Sciences Building. 12 noon. (Membrane Club)

THURSDAY 5

Clothing and the Politics of Conquest (Third lecture in series, **Chinese Costume**) John Vollmer, Textile Department, ROM. Lecture room, McLaughlin Planetarium. 8 p.m.

FRIDAY 6

Beyond 1977 — Reflections on the University of Toronto (Keynote address, Alumni advisory conference) President John R. Evans. Auditorium, Medical Sciences Building. 8 p.m.

Thunderstorm by Tsao Yu, performed by Drama Society of McMaster Chinese Students' Association in Cantonese with English sub-titles. Auditorium, FEUT, 371 Bloor St. W. May 6 and 7 at 8 p.m. Tickets \$2.50 from SAC office and International Student Centre. (SAC and McMaster Student Union)

SATURDAY 7

Proud Tradition — Future Vision (Alumni advisory conference) Panel discussion and workshops on structure of university of future. New Academic Building, Victoria College. Admission free, please register in advance with Alumni House, 978-8991.

Scientific community will meet here to discuss research for survival

The University will act as host for the SCITEC conference, "Research for Survival: The Critical Points and the Decision Making Process",

from May 11 to 13. SCITEC, the association of the Scientific, Engineering and Technological Community of Canada, represents 50

scientific societies and several hundred individual members. Its major objectives are to provide a forum for communication within, and to speak for, the scientific community.

Papers at the conference will cover a broad spectrum relating to resources, economics and science policy. Some indication of the variety of the program is apparent from the topics and disciplines of two U of T staff members taking part: Dr. Harding Le Riche, Department of Epidemiology, will speak on "Demography, the Canadian Population Structure and World Population Growth"; Prof. G.D. Quirin, Faculty of Management Studies, will discuss "Economic Problems in a Conservator Society".

Other speakers and papers at the conference include Henri de Puyjalon, president of the Canadian Construction Association, who will discuss "Urbanization, National Development and the Construction Industry". Dean Clay Switzer, Ontario Agricultural College, University of Guelph, will speak on "Canada's Contribution to World Food Supply". Dr. David Bates, Dean of Medicine, University of British Columbia, will examine "Involvement of Scientists in the Assessment of Risk".

On the final morning of the conference, the political decisions, critical to the process, will be covered. The Hon. Hugh Faulkner, Minister of State for Science & Technology, will describe "How Information Is Used in the Decision Making Process". Mr. Faulkner will be followed by Professor J. Tuzo Wilson whose topic will be "The Limits to Science". Senator Allister Grossart, chairman of the steering committee of the special committee on national science policy, will examine the question, "Who Should Make Decisions?" Dr. Frank Maine, Liberal, will discuss "What the Politician can do to help in this Struggle". Finally, the question "Can our Political System make Long Term Planning

an Important Issue?" will be addressed by William Kempling, Progressive Conservative, and Max Saltzman of the New Democratic Party.

Registration forms and information about the conference are available from Professor David Strangway's office, telephone 978-3022.

Meds flicks

Films to be shown at the Faculty of Medicine open house on Saturday, April 23, will illustrate current medical research problems being investigated in Toronto.

Stratford & Shaw trips

Hart House is again offering trips to the Shaw and Stratford Festivals open to all members of the University community. The trip is made in an air-conditioned bus, a deluxe box supper is served on the way to the theatre and coffee and cookies are served on the return trip. The cost of the trip includes an orchestra seat at the theatre.

The trip to Niagara-on-the-Lake for the Shaw Festival will be on Tuesday, May 31, to see *Man and Superman* with Carole Shelley and Tony van Bridge. The bus will leave

Hart House at 6 p.m. for the 8.30 performance. Cost is \$26 per person.

The trip to Stratford will be on Thursday, July 14 to see *The Guardsman* with Maggie Smith and Brian Bedford at the Festival Theatre. The bus will leave Hart House at 5.30 p.m. for the eight o'clock performance. Cost is \$26.50 per person.

Reservation forms for the theatre trips are available from the program office at Hart House, telephone 978-5361.

Apply for UIC benefits soon

Teaching assistants intending to apply for unemployment insurance benefits should file an application as quickly as possible upon termination of employment. It is **not** necessary to have a UIC record of employment (separation certificate) at the time of application for benefits.

To receive a record of employment, contact the Payroll Department either by telephone at 978-2151, or in person at the third floor, 215 Huron St. Giving the Payroll Department the personnel number shown on the pay slip will expedite the process.